

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Cost Contract	Page 1 Of 6		
2. Amendment/Modification No. P00005		3. Effective Date 2003DEC24		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By TACOM WARREN BLDG 231 AMSTA-AQ-ABGD PAUL VESELENAK (586)574-7632 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: VESELENP@TACOM.ARMY.MIL			Code W56HZV	7. Administered By (If other than Item 6) OFFICE OF NAVAL RESEARCH CHICAGO REGIONAL OFFICE 230 SOUTH DEARBORN STREET, ROOM 380 CHICAGO, IL 60605-1595			Code N62880
				SCD C	PAS NONE	ADP PT N62880	
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY CONTRACT AND GRANT ADMINISTRATION 301 ADMINISTRATION BUILDING EAST LANSING, MI. 48824  TYPE BUSINESS: Other Educational				<input type="checkbox"/>	9A. Amendment Of Solicitation No.		
				<input type="checkbox"/>	9B. Dated (See Item 11)		
				<input checked="" type="checkbox"/>	10A. Modification Of Contract/Order No. DAAE07-01-C-L075		
Code 4B834 Facility Code				<input type="checkbox"/>	10B. Dated (See Item 13) 2001JUL16		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) ACRN: AD NET INCREASE: \$402,000.00							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS KIND MOD CODE: 6 It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/> A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.							
<input type="checkbox"/> B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).							
<input type="checkbox"/> C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:							
<input checked="" type="checkbox"/> D. Other (Specify type of modification and authority) OPTION PROVISION H.16							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  SEE SECOND PAGE FOR DESCRIPTION							
Contract Expiration Date: 2004MAY15							
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) JOHN M. HOPFNER HOPFNERJ@TACOM.ARMY.MIL (586)574-7070			
15B. Contractor/Offeror  (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America  By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed  2003DEC24	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b> <b>PIIN/SIIN</b> DAAE07-01-C-L075 <b>MOD/AMD</b> P00005	<b>Page</b> 2 <b>of</b> 6
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**Name of Offeror or Contractor:** BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY

SECTION A - SUPPLEMENTAL INFORMATION  
CONTRACT FOR: Fracture Studies

PRIOR AMOUNT OBLIGATED: \$220,000.00  
AMOUNT OBLIGATED THIS ACTION: \$402,000.00  
TOTAL AMOUNT OBLIGATED: \$622,000.00

1. This is a unilateral modification.
  
2. The purpose of this modification is to exercise Options 3, 4, 6, and 7, in accordance with Option Provision H.16 of the contract as follows:
  - a. Exercise Option 3 in its entirety, in accordance with the existing terms and conditions of the contract including Provision H.16.3 of the Section H Option Clause. The total amount obligated under Option 3 will be \$50,000.00, in accordance with H.16.3.
  - b. Exercise Option 4 in its entirety, in accordance with the existing terms and conditions of the contract including Provision H.16.4 of the Section H Option Clause. The total amount obligated under Option 4 will be \$158,000.00, in accordance with H.16.4.
  - c. Exercise Option 6 in its entirety, in accordance with the existing terms and conditions of the contract including Provision H.16.6 of the Section H Option Clause. The total amount obligated under Option 6 will be \$50,000.00, in accordance with H.16.6.
  - d. Exercise Option 7 in its entirety, in accordance with the existing terms and conditions of the contract including Provision H.16.7 of the Section Section H Option Clause. The total amount obligated under Option 7 will be \$144,000.00, in accordance with H.16.7.
  - e. Extend the period of performance for the contract from 15 May 04 to the new date of 15 May 05, in accordance with the existing terms and conditions of the Section H Option Clause, H.16.
  
3. To implement the above changes the following revisions are made in the contract:
  - a. SubCLIN 0009AA is established in the amount of \$50,000.00 in Section B to fund the contractor's performance of Option 3.
  - b. SubCLIN 0010AA is established in the amount of \$158,000.00 in Section B to fund the contractor's performance of Option 4.
  - c. SubCLIN 0012AA is established in the amount of \$50,000.00 in Section B to fund the contractor's performance of Option 6.
  - d. SubCLIN 0013AA is established in the amount of \$144,000.00 in Section B to fund the contractor's performance of Option 7.
  - e. Provision F.4 is changed to cite the revised contract completion date of 15 May 05.
  - f. Section G is revised to add the accounting and appropriations data for the funds being added for Options 3, 4, 6, and 7.
  
4. The total amount of the contract is increased by \$402,000.00, as a result of Modification P00005, from the previous total amount of \$220,000.00 to the new total amount of \$622,000.00.
  
5. All other terms and conditions of Contract DAAE07-01-C-L075, as previously modified, remain unchanged.

\*\*\* END OF NARRATIVE A 005 \*\*\*

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Name of Offeror or Contractor: BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0009AA	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>SERVICES LINE ITEM</u></p> <p>NOUN: OPTION 3  PRON: E142C120EH PRON AMD: 01 ACRN: AD  AMS CD: 622601C0511</p> <p>The contractor shall furnish all the supplies and services needed to perform the tasks included under Option 3, as set forth in C.7.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>  INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u>  DLVR SCH PERF COMPL  <u>REL CD</u> <u>QUANTITY</u> <u>DATE</u>  001 0 15-MAY-2004</p> <p>\$ 50,000.00</p>				\$ 50,000.00
0010AA	<p><u>SERVICES LINE ITEM</u></p> <p>NOUN: OPTION 4  PRON: E142C121EH PRON AMD: 01 ACRN: AD  AMS CD: 622601C0511</p> <p>The contractor shall furnish all the supplies and services needed to perform the tasks included under Option 4, as set forth in C.8.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>  INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u>  DLVR SCH PERF COMPL  <u>REL CD</u> <u>QUANTITY</u> <u>DATE</u>  001 0 15-MAY-2005</p> <p>\$ 158,000.00</p>				\$ 158,000.00
0012AA	<p><u>SERVICES LINE ITEM</u></p>				\$ 50,000.00

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Name of Offeror or Contractor: BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<p>NOUN: OPTION 6  PRON: E142C122EH PRON AMD: 01 ACRN: AD  AMS CD: 622601C0511</p> <p>The contractor shall furnish all the supplies and services needed to perform the tasks included under Option 6, as set forth in C.11.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>  INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u>  DLVR SCH PERF COMPL  REL CD QUANTITY DATE  001 0 15-MAY-2004</p> <p>\$ 50,000.00</p>				
0013AA	<p><u>SERVICES LINE ITEM</u></p> <p>NOUN: OPT ION 7  PRON: E142C123EH PRON AMD: 01 ACRN: AD  AMS CD: 622601C0511</p> <p>The contractor shall furnish all the supplies and services needed to perform the tasks included under Option 7, as set forth in C.12.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>  INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u>  DLVR SCH PERF COMPL  REL CD QUANTITY DATE  001 0 15-MAY-2005</p> <p>\$ 144,000.00</p>				\$ 144,000.00

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b> <b>PIIN/SIIN</b> DAAE07-01-C-L075 <b>MOD/AMD</b> P00005	<b>Page</b> 5 <b>of</b> 6
<b>Name of Offeror or Contractor:</b> BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY		

SECTION F - DELIVERIES OR PERFORMANCE

F.1 DATA

The contractor shall submit all required reports, studies, plans and findings electronically in accordance with the Contract Data Requirements List (CDRL), DD Form 1423, Exhibit A. Any exceptions made to this requirement for electronic submission (such as submission of specific data for which it is considered impractical to submit electronically) shall be made on a case by case basis with the mutual consent of both parties.

F.2 DELIVERABLES

F.2.1 The contractor shall prepare and submit three (3) Status Reports, in accordance with the Clause C.3.1 and Data Item A001, in Exhibit A. The first such report shall be submitted by September 28, 2001, the second such report shall be submitted by December 14, 2001, and the third and final such report shall be submitted by March 1, 2002.

F.2.2 The contractor shall prepare and submit a Status Review Report summarizing the preliminary results of the work conducted under any contract awarded from this solicitation to TARDEC by September 15, 2001, in accordance with Clause C.3.2 and Data Item A002, Exhibit A.

F.2.3 The contractor shall prepare and submit a Final Technical Report in accordance with Clause C.3.3, and Data Item A003, Exhibit A.

F.3 OPTION DELIVERABLES

F.3.1 For any option(s) exercised by the government contracting officer under the Section H clause entitled "Exercise of Option" of the contract the contractor shall prepare and submit quarterly status reports every 90 days for that exercised option(s), in accordance with the Section C Scope of Work, the Section H clause entitled "Exercise of Option" and Data Item A001, Exhibit A. The contractor will submit one combined status report every 90 days for all the work being currently performed under the contract, including work being done on any options which are currently being performed.

F.3.2 For any option is exercised by the government contracting officer under the Section H clause entitled "Exercise of Option" of the contract, the contractor, in accordance with the Section C Scope of Work, the Section H clause entitled "Exercise of Option" and Data Item A003, Exhibit A, shall prepare and submit a draft Final Technical Report by 30 days before the end of the option performance period, the government will have 15 days to review this draft report and provide comments and the contractor's Final Technical Report shall be due at the end of the option performance period.

F.3.3 If Option 4 is exercised by the government contracting officer, but Option 5 is not exercised, the contractor shall provide the following deliverables under Option 4 by the option completion date of May 15, 2005, to the government COTR:

- (i) The pilot model of the deployable nondestructive inspection device, in accordance with C.8.7.
- (ii) The CD-ROM incorporating the computer-aided (CAD) design procedure for mechanical joints subjected to static loads, in accordance with C.8.8 and Data Item A004, Exhibit A.

F.3.4 If Option 5 is exercised by the government contracting officer the contractor shall provide the following deliverables under Option 5 by the option completion date of May 15, 2006, to the government COTR:

- (i) The refined and tested deployable nondestructive inspection device, in accordance with C.9.7.
- (ii) The CD-Rom incorporating the computer-aided (CAD) design procedure for mechanical joints subjected to static loads, in accordance with C.9.8 and Data Item A004, Exhibit A.

F.3.5 If Option 7 is exercised by the government contracting officer, but Option 8 is not exercised, the contractor shall provide to the government COTR by the Option 7 completion date of May 15, 2005, in accordance with C.12.7 and Data Item A005, Exhibit A, a CD-ROM which incorporates a computer-aided (CAD) design for thick section composite and composite joints subjected to high-velocity impacts.

F.3.6 If Option 8 is exercised by the government contracting officer the contractor shall provide to the government COTR by the Option 8 completion date of May 15, 2006, in accordance with C.13.7 and Data Item A005, Exhibit A, a CD-ROM which incorporates a computer-aided (CAD) design for thick section composite and composite joints subjected to high-velocity impacts.

F.4 PERIOD OF PERFORMANCE

All work under the contract, including the submission of the Final Technical Report shall be completed by May 15, 2005. If any additional option (s) are exercised by the government contracting officer the contract will be extended to the end of the performance period specified in the Section H clause entitled "Exercise of Option" for those option(s) which have been exercised.

Name of Offeror or Contractor: BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ ITEM MIPR		OBLG STAT/ JOB ORD NO			INCREASE/DECREASE AMOUNT		CUMULATIVE AMOUNT
0009AA	E142C120EH 622601C0511	AD	2 42C120	\$	0.00	\$	50,000.00	\$ 50,000.00
0010AA	E142C121EH 622601C0511	AD	2 42C121	\$	0.00	\$	158,000.00	\$ 158,000.00
0012AA	E142C122EH 622601C0511	AD	2 42C122	\$	0.00	\$	50,000.00	\$ 50,000.00
0013AA	E142C123EH 622601C0511	AD	2 42C123	\$	0.00	\$	144,000.00	\$ 144,000.00
NET CHANGE					\$		402,000.00	

SERVICE NAME	NET CHANGE BY ACRN	ACCOUNTING CLASSIFICATION				ACCOUNTING STATION	INCREASE/DECREASE AMOUNT
Army	AD	21	42040000046N6N7EP6226012516	S20113		W56HZV	\$ 402,000.00
NET CHANGE							\$ 402,000.00

		PRIOR AMOUNT OF AWARD		INCREASE/DECREASE AMOUNT		CUMULATIVE OBLIG AMT
NET CHANGE FOR AWARD:	\$	220,000.00	\$	402,000.00	\$	622,000.00